MANUAL

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ROLLCUTTER 1650

NESCHEN

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CONTENT

1. INTRODUCTION 4
2. APPLICATIONS 5
3. DESCRIPTION OF THE MAIN PARTS OF THE NESCHEN ROLL CUTTER 6
4. KNIFE CARRIAGE 6
5. MAIN SWITCH – POSITIONS 7
6. DISPLAY- FUNCTIONS 7
7. MATERIAL AXIS- CUTTING TO LENGTH 7
8. APPLYING A ROLL OF MATERIAL TO THE SHAFT 8
9. OCCUPATIONAL SAFETY 9
10. SAFETY GUIDELINES 9
11. SAFETY INSTRUCTIONS ON THE NESCHEN ROLL CUTTER 10
12. FIRE PROTECTION 11
13. DISPOSAL OF THE MACHINE OR INDIVIDUAL PARTS 11
14. MAINTENANCE 11
15. WARRANTY CONDITIONS 11
16. TECHNICAL SPECIFICATIONS 12

1. INTRODUCTION

Dear customers,

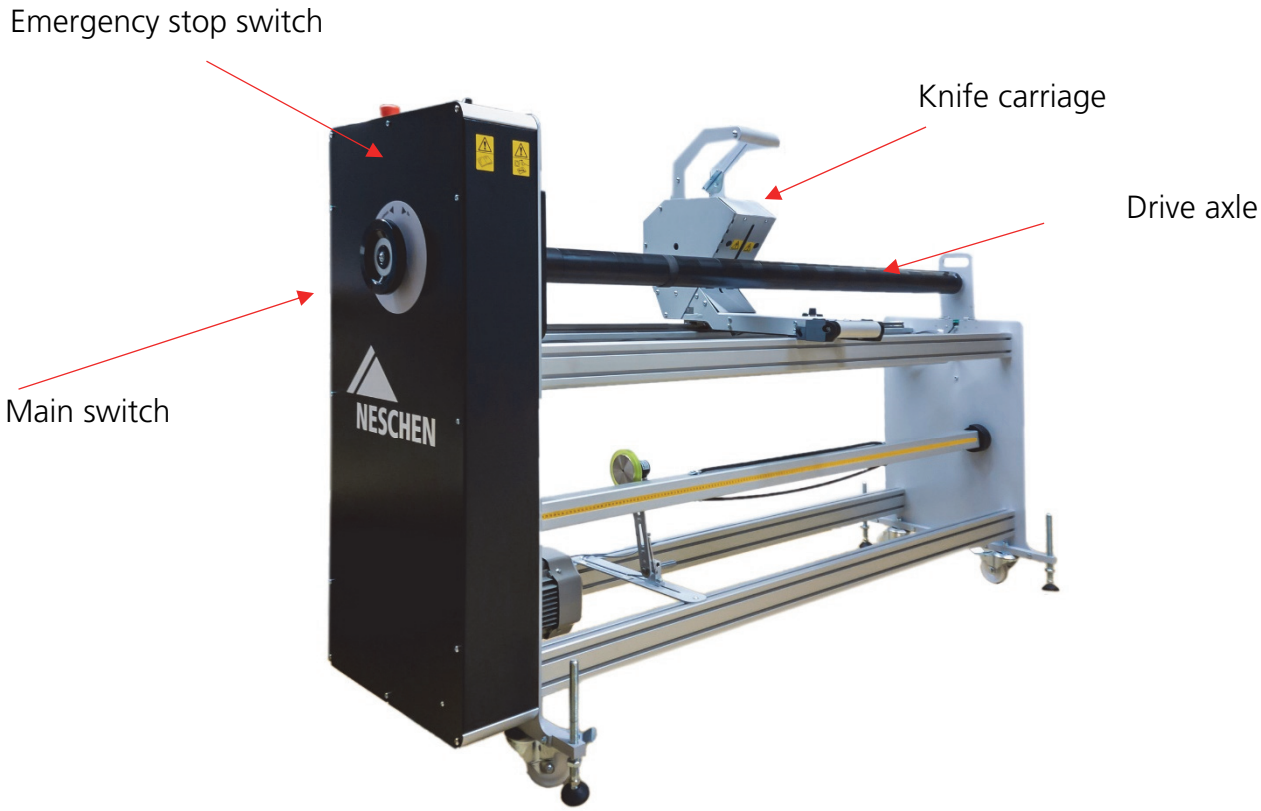
We are pleased that you have chosen a roll cutter from Neschen and hope that you will increase your productivity with this machine. This electrically driven device is equipped with rotating axes and moving components, so occupational safety principles must be observed. Before putting the Neschen roll cutter into operation, the user (the company) must ensure that all operators of the unit, maintenance personnel and their supervisors have familiarized themselves with these operating instructions. Furthermore, it must be ensured that the generally binding regulations on occupational safety and accident prevention of the user's respective country are known. The operating instructions must be available to the employees using the roller cutter at all times. Improper operation may result in damage not covered by the product warranty.
These operating instructions contain the technical specifications of the rotary cutter as well as information on commissioning and operation. The important information on work safety and maintenance is to be considered as part of the roll cutter. Employees in production should be familiarized with and understand the information in these operating instructions. In particular, information regarding safety measures must be observed. To ensure a satisfactory level of knowledge, refresher training should be provided on a regular basis after familiarization.
If you do not understand individual pieces of information in these operating instructions, please contact the responsible salesperson. We recommend that you make a copy of this manual and keep the original in a safe place in case the copy is lost or damaged. Follow the safety instructions while working on the machine to avoid your own injuries or injuries to bystanders or damage to other equipment.
We assure you that we are attentive and careful in the production of the Neschen roll cutter and we are convinced that, provided that all the guidelines have been followed, you will have a lot of pleasure with your machine.

Your Neschen Team

2. APPLICATIONS

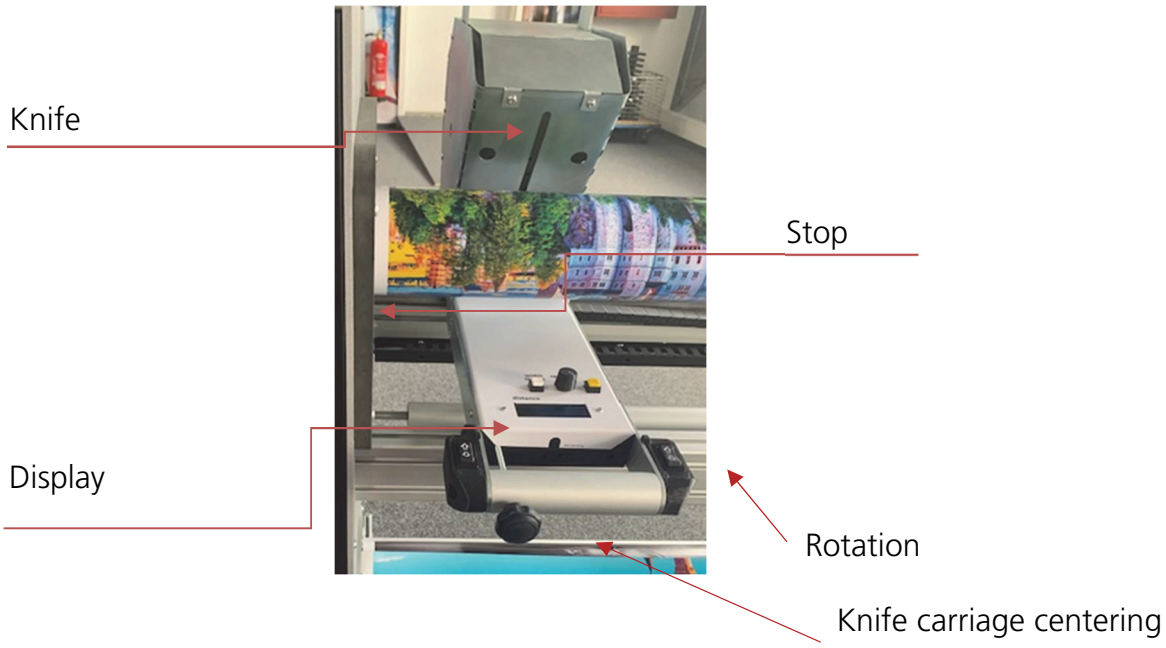
- The Neschen roll cutter for large formats is suitable for cutting roll material with a max. width of 1650mm and a diameter of 200mm.
- The Neschen roll cutter for large formats is suitable for rewinding roll material with a max. width of 1650 mm and a diameter of 300 mm.
- Any modifications to the roll cutter without the manufacturer's approval exempts the seller from liability for any damage or injury!
- If features of the roll cutter permit use for other purposes not listed herein, the user shall consult such applications with the vendor.
- Follow the safety instructions while working on the machine to avoid your own injuries or injuries to bystanders
- Notes that require special consideration are marked with the following safety symbol in these operating instructions:

3. DESCRIPTION OF THE MAIN PARTS OF THE NESCHEN ROLL CUTTER



Emergency STOP switch - if the emergency STOP switch is actuated, the machine switches off completely. Depending on the circumstance, you can turn the machine on again. The emergency STOP switch is deactivated by turning (or pressing - depending on the system used).

4. KNIFE CARRIAGE



5. MAIN SWITCH – POSITIONS

OFF – the roll cutter is switched off.
ON – the roll cutter is switched on.

6. DISPLAY- FUNCTIONS

SPEED	controls the rotation of the winding axis or cut-off axis
WIDTH/ LENGTH	select the desired function. Width = Width measurement; Length = Length measurement
ZERO	Zeros of the width or length measurement

7. MATERIAL AXIS- CUTTING TO LENGTH

Laminating and printing materials are rolled on a paper core with an inner diameter of 76.2 mm. The shafts of the Neschen roll cutter are designed for these cores.

If the material is unrolled too loosely or too tightly, the braking force can be adjusted by tightening or loosening the brake on the right side of the machine. Tightening the brake increases the braking force and loosening it decreases it.

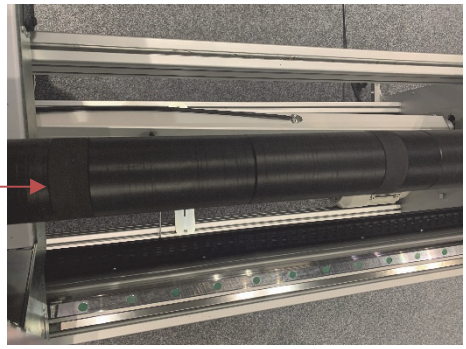
8. APPLYING A ROLL OF MATERIAL TO THE SHAFT

- Unlock the shaft on the right side.

Handwheel

- Insert the roll of material into the shaft. Heavy rolls should be inserted by two people.
- Lock the shaft back into the machine.
- Turning the Handwheel will tighten the Expanders and fix the Papercores.

Expander



9. OCCUPATIONAL SAFETY

SAFETY DEVICES ON THE NESCHEN ROLLCUTTER:

- Emergency STOP switch - 1 unit
- Two hand circuit

THE FOLLOWING POINTS MUST BE OBSERVED WHEN USING THE NESCHEN ROLLCUTTER:

- Do not use the roll cutter if there is a design or mechanical fault.
- Do not use the roll cutter under alcohol. Being under the influence of drugs or medication, as your reaction time and attention may be impaired.
- Do not switch on the roll cutter if unauthorized persons are within the danger zone.
- Remove waste from the hazardous area while the rotary cutter is in operation.
- Do not touch any moving parts.
- Always remain at the control panel while the roll cutter is in operation.
- Do not remove any safety devices from the roll cutter and do not impair their function.
- No maintenance or cleaning work during operation.
- Always observe the safety instructions - see under **SAFETY INSTRUCTIONS**.

10. SAFETY GUIDELINES

ROTATING OR MOVING PARTS OF THE ROLL CUTTER AND ELECTRICAL PARTS CAN CAUSE SERIOUS AND EVEN FATAL INJURIES. INSTALLATION, WIRING AND COMMISSIONING AS WELL AS MAINTENANCE AND REPAIRS SHOULD ONLY BE CARRIED OUT BY QUALIFIED AND APPROPRIATELY TRAINED PERSONNEL.

- The roll cutter may only be operated by mentally and physically healthy persons over the age of 18 who have been intensively trained (and tested) and are authorized to operate the roll cutter.
- Demanding repairs and work on the electrical system may only be carried out by qualified personnel or the manufacturer.
- Operators and maintenance personnel must be familiar with the contents of the operating instructions.
- Adjustments, maintenance and cleaning of the roll cutter must be carried out when the machine is not in operation. The main switch is switched off and the machine is disconnected from the power supply.
- Start the roll cutter only when the covers are in place.
- Never touch moving parts on the roll cutter.
- Attach safety instructions - pictograms - to the roll cutter so that they are clearly legible.
- Only work in good lighting.

- Before starting work, check the safety devices on the roll cutter and ensure that they are functioning correctly.
- Do not work on the roll cutter if you are tired.
- Damaged parts on the roll cutter may only be replaced by authorized personnel. Only use original parts.
- Turn off the roll cutter in case of strong vibration, noise or other unusual signs and inform the supervisor.
- Do not wear loose clothing (e.g. a tie) or long hair to prevent them from getting caught between rotating parts of the roll cutter.
- Always stand firmly on the floor when working on the roll cutter.
- Take special care after switching on and starting up the roll cutter.
- Switch off the machine immediately and inform the supervisor if, while working on the roll cutter, damage to the insulation, a burning smell or a loud disturbing noise occurs, the machine jerks after switching on, individual parts on the electrical system are overheated, sparks occur or electric current can be felt.
- If such hazards occur or if there is danger to the operator, switch off the roll cutter by pressing the emergency STOP switch.
- If someone recognizes that the operator of the roll cutter is in danger, they can press the emergency STOP switch.

11. SAFETY INSTRUCTIONS ON THE NESCHEN ROLL CUTTER

The pictograms must be clearly legible on the CUTTER at all times. Damaged pictograms must be replaced.

PICTOGRAMS AND THEIR MEANING.

Safety pictograms on the roll cutter indicate risks, as do the warnings in this operating manual.

The operator must read the safety instructions.

Disconnect the power supply before repair work, adjustments, cleaning and maintenance of the roll cutter.

Close all covers correctly before commissioning.

Do not touch any moving parts on the roll cutter

12. FIRE PROTECTION

Since the roll cutter is not equipped with fire extinguishers at the factory, the user must ensure that fire extinguishers are available in the relevant building.

- Never extinguish a burning or energized roll cutter with a water or a foam extinguisher. There is a risk of electric shock!
- Never extinguish burning electrical parts with a water extinguisher!
- Recommended fire extinguishers: Powder extinguishers, snow extinguishers and halon extinguishers.
- In case of fire, follow the instructions for the corresponding workplace.

13. DISPOSAL OF THE MACHINE OR INDIVIDUAL PARTS

- For the disposal of the roll cutter at the end of its service life, the applicable environmental protection guidelines must be followed and available recycling options must be used.
- Separate plastic parts and send them for recycling.
- Separate and sort metal parts and dispose of them as scrap metal.

14. MAINTENANCE

1. Neschen roll cutters are stable and durable and require little maintenance. For trouble-free use and a long service life, the following must be observed:
2. Disconnect the roll cutter from the power supply before any cleaning or maintenance.

15. WARRANTY CONDITIONS

- The manufacturer provides a warranty period of 12 months from the date of sale for Neschen products.
- Contact your seller for detailed information on warranty conditions.
- Damage to the product due to improper handling or failure to comply with the operating instructions is not considered a product defect.
- Furthermore, mechanical damage, falling over, impact, transport damage, etc. caused by unauthorized interference with the electrical or mechanical parts or foreign objects inside the product are not considered product defects.
- Normal wear and tear due to the use of the machine is also not considered a product defect.
- Please address product liability claims directly to your vendor.

16. TECHNICAL SPECIFICATIONS

NESCHEN ROLL CUTTER 1650

Maximum processing width	1650 mm
Maximum cutting diameter	200 mm
Maximum diameter unwinding axis	300 mm
Wide	2175 mm
Height	1320 mm
Depth	550 mm
Net weight	400 kg
Transport weight	470 kg
Transport dimension	Width 2300 mm
	Height 1750 mm
	Depth 950 mm
Power supply	1N/PE 230VAC/50Hz-60Hz; 600W; 3A
Ambient temperature	05 - 40 °C
Humidity	> 80 %
Altitude	Max. 2000 m